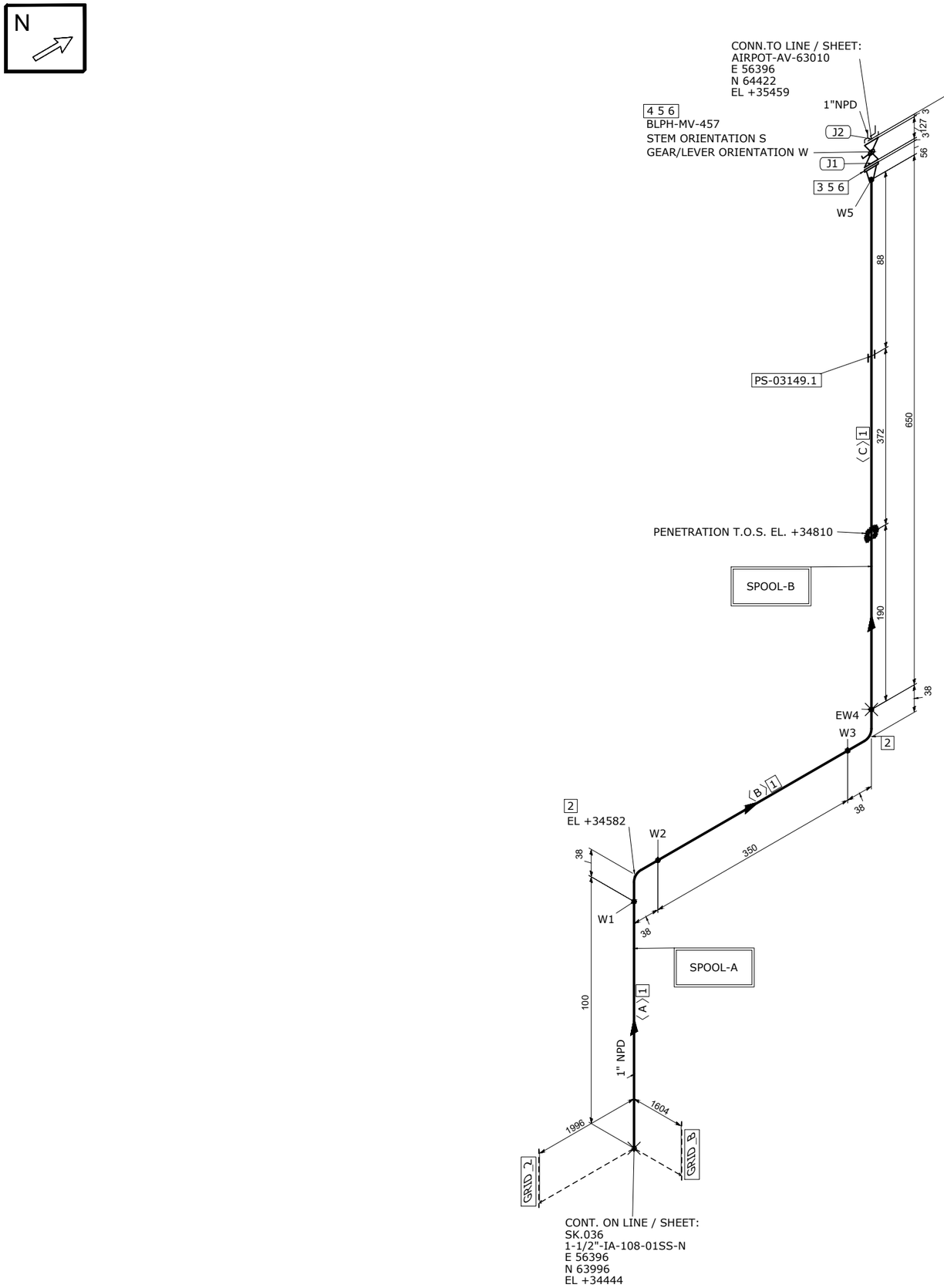



## MATERIAL LIST

FABRICATION

| POS. | SIZE | SAP CODE | DESCRIPTION | Q.TY | WEIGHT [kg] |
|---|---|---|---|---|---|
| 1 | 1 | PIPESS00480100 | Pipe ASME B36.19M PE 3,38 SML ASTM A312 Gr.TP316/316L | 1.1M | 2.8 |
| 2 | 1 | E90RSS00670100 | 90 Deg Elbow Long Radius ASME B16.9 BW 3,38 WRS ASTM A403 Gr.WP316/316L | 2 | 0.3 |
| 3 | 1 | FLW0SS00930100 | Flange WN ASME B16.5 150LB RF 3,38 FRG ASTM A182 Gr.F316/316L | 1 | 1.4 |

ERECTION

| POS. | SIZE | SAP CODE | DESCRIPTION | Q.TY | WEIGHT [kg] |
|---|---|---|---|---|---|
| 4 | 1 | VBC0NN06950100 | Ball Valve Split Body FB API 6D FLG 150LB RF BS01C01RF | 1 | 6.0 |
| 5 | 1 | GSW0GK11100100 | Gasket Spiral Wound Thk. 3.2 mm ASME B16.20 150LB RF GSK AISI 316 + GRAPHITE c/w INNER RING | 2 | 0.1 |
| 6 | 1/2 | SB20BO01080200 | 65 Stud Bolt + 2 Heavy Nuts ASME B1.1 ASTM A193 Gr.B7 - A194 Gr.2H Hot dip galvanized | 8 | 1.0 |

| | |
|---|---|
| FABRICATION WEIGHT [kg] | 4.5 |
| ERECTION WEIGHT [kg] | 7.1 |
| OVERALL WEIGHT [kg] | 11.6 |

WELD SUMMARY

| WELD No. | SIZE [inches] | TYPE |
|---|---|---|
| W1 | 1 | BW |
| W2 | 1 | BW |
| W3 | 1 | BW |
| EW4 | 1 | BW |
| W5 | 1 | BW |

CUTTING LIST

| PIECE No. | SIZE [inches] | LENGTH [mm] | END PREP.1 | END PREP.2 |
|---|---|---|---|---|
| A | 1 | 100 | BEVEL | BEVEL |
| B | 1 | 350 | BEVEL | BEVEL |
| C | 1 | 650 | BEVEL | BEVEL |

SUPPORT LIST

PS-03149.1

| SPOOL | WELD [inches] | WEIGHT [kg] |
|---|---|---|
| A | 3 | 1.4 |
| B | 1 | 3.1 |
| MONT | 1 | 7.1 |

| REV. | DATE | DRN | CHKD | APPD | DESCRIPTION |
|---|---|---|---|---|---|
| 00 | 20-08-2024 | STAFF SRL | RT | LM | ISSUED FOR CONSTRUCTION |

CROSSWIND

ROSETTI MARINO

TITLE
SHOP DRAWING ISOMETRIC
LINE NR. 1"-IA-211-01SS-N

SK.109

CONTRACT NO./ TITLE: CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE: N/A

DRAWN: STAFF SRL | CHECKED: RT | APPROVED: LM | DATE: 20-08-2024

FORMAT: A3 | DRAWING NO.: 123A90-FDL-PP-DI-00109 | SHEET / OF: 1/1 | REV.: 00

### LINE DATA

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NDT INSPECTION CATEGORY | 2 | | | PED CATEGORY | Art. 4, par. 3 | | | |
| PAINTING | SYSTEM 6A | BASE RAL RAL-9002 | | FLUID PHASE | Gas | | | |
| INSULATION | TYPE N | THICKNESS [mm] | | DESIGN | PRESS. 12 [barg] | TEMP. -29 / 100 [°C] | | |
| HEAT TRACING | N/A | | | TEST | PRESS. 18 [barg] | TEMP. AMB | MEDIUM Water | |

### REFERENCE DOCUMENTS

| | |
|---|---|
| P&ID | 123A90-DDL-PR-PID-80041 |
| ISOMETRIC SHOP DWG LIST | 123A90-FDL-PP-LIS-00001 |
| PIPING SUPPORT BOOK | 123A90-DDL-PP-DD-72000 |
| PIPING MATERIAL CLASS | 123A90-DDL-PP-SP-70029 |

### NOTES

MASTER